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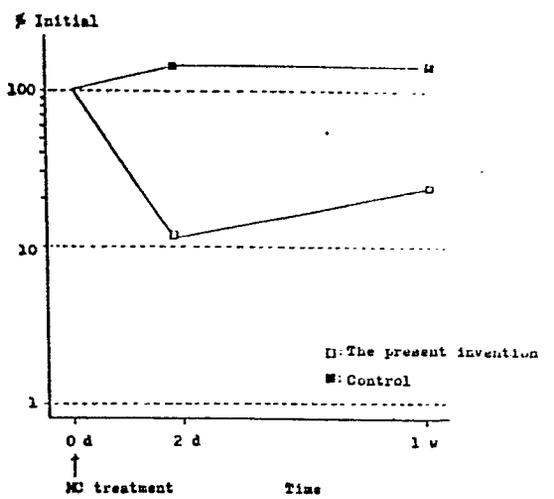
(54) **Composition stably containing minocycline for treating periodontal diseases.**

(57) A pharmaceutical composition stably containing minocycline for treating periodontal diseases which comprises minocycline or a pharmaceutically acceptable salt thereof and a base composed of a polyhydric alcohol containing a magnesium compound. Optionally, the base can further contain a water soluble high molecular weight compound, ethyl methacrylate/chlrortrimethylammnoniumethyl methacrylate copolymer and its solubilizer. A method for treating periodontal diseases comprising topically applying the composition to the oral cavity is also disclosed.

Figure 3



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PARTIAL EUROPEAN SEARCH REPORT

which under Rule 45 of the European Patent Convention shall be considered, for the purposes of subsequent proceedings, as the European search report

Application number
EP 85 30 8664

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	CHEMICAL ABSTRACTS, vol. 100, no. 13, March 26, 1984, page 25, ref. no. 96203a; Columbus, Ohio, US L.M. GOLUB et al.: "Minocycline reduces gingival collagenolytic activity during diabetes. Preliminary observations and a proposed new mechanism of action." & J. PERIODONTAL RES. 1983, 18(5), 516-26. * Abstract *	1-20	A 61 K 31/65 A 61 K 47/00
Y	US-A-3 017 323 (P.N. GORDON) * Column 1, lines 12-16, line 40 - column 2, line 24; column 6, lines 14-25; column 7, lines 1-3; claims 1,2,4 *	1-4, 14-18	
Y	CHEMICAL ABSTRACTS, vol. 98, no. 4, January 24, 1983, page 337, ref.no. 22212w; Columbus, Ohio, US M. ADDY et al.: "The development ./.		TECHNICAL FIELDS SEARCHED (Int. Cl.4) A 61 K C 07 C

INCOMPLETE SEARCH

The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.

Claims searched completely: 1-20
Claims searched incompletely:
Claims not searched: 21,22
Reason for the limitation of the search:

Method for treatment of the human or animal body by surgery or therapy (see art. 52(4) of the European Patent Convention).

Place of search	Date of completion of the search	Examiner
The Hague	23-04-1987	MUELLNERS

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
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T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
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	and in vitro evaluation of acrylic strips and dialysis tubing for local drug delivery." & J. PERIODONTOL. 1982, 53(11), 633-9 (Cat. D)		
	* Abstract *	5-13, 19,20	

A	GB-A-1 427 882 (AKTIESELSKABET ROSCO)		
	* Page 1, lines 9-14,76-96 *	11-13	
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A	EP-A-0 049 422 (MILES LAB. INC.)		
A	CHEMICAL ABSTRACTS, vol. 99, no. 13, September 26, 1983, page 20, ref.no. 98787d; Columbus, Ohio, US G. BERTHON et al.: "Metal ion-tetracycline interactions in biological fluids. 2. Potentiometric study of magnesium complexes with tetracycline, oxytetracycline, and minocycline, and discussion of their possible influence on the bioavailability of these antibiotics in blood plasma." & J. INORG. BIOCHEM. 1983, 19(1), 1-18.		
